

## IDEAS+ Daily Report for NRT data:

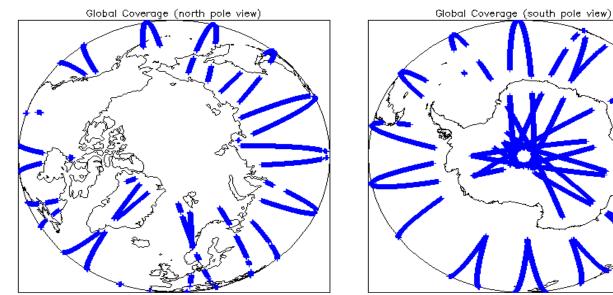
## <u>12/02/2015</u>



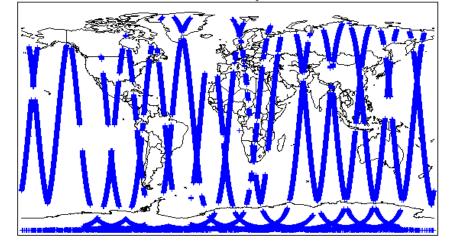
Report Broduction Dates	16-Feb-2015	Check	Status
Report Production Date:	16-Feb-2015	Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal
Data Useu.	(FDM), and CAL Data	Product Software Check	Nominal
		Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage	Nominal
		Correction Error Flags	Nominal
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6 and 6.8

1	Mission / Instru	ment News
	11-Feb-2015	None
	12-Feb-2015	SIRAL unavailability on 12-February-2015 from 10:00:54 to 11:48:58 due to a planned orbit manoeuvre.
	13-Feb-2015	Nothing planned

2. Global Coverage







## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1 & 2

## 4. Level 1B Calibration Data Quality Check

#### 4.1 L1 CAL Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

#### 4.2 L1 CAL Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the processing chain.

4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determ Number of products with errors: 0	ined baseline and also to check the validity	of Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word	(field 11) for each measurement record. Th	e bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5. L	evel 1B FDM Data Qualit.	v Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked	to ensure it consists of both an XML heade	r file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH	and SPH in order to identify any inconsiste	ncies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determ	ined baseline and also to check the validity	of Auxiliary Data Files is correct.
Number of products with errors: 0	·····,	
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the groun	nd-station processing chain as missing or c	ontaining errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) f	or each measurement record. The bit value	e of this flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150212T003125_20150212T003510_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150212T094604_20150212T094604_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150212T094607_20150212T095249_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150212T130805_20150212T130829_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150212T163151_20150212T163311_B001	Attitude correction missing	The attitude has not been corrected
6.	Level 2 FDM Data Quality	/ Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked	to onsure it consists of both an XML boads	r file ( HDP) and a binany product file ( DPL )
Number of products with errors: 0		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH	and SPH in order to identify any inconsiste	ncies and/or errors raised by the processing chain.
	. They are set by the FDM processor when	roc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field an error is detected during the L2 processing and also when the percentage of ntly set to 5%).
This issue is under investigation.		
Number of products with errors: 0		
6.3 L2 FDM Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determ	ined baseline and also to check the validity	of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4 L2 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the groun	nd-station processing chain as missing or c	ontaining errors.
Number of products with errors: 0		
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measu	rement record. The bit value of this flag is a	an assessment of the measurement quality by the processing chain.
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150212T003125_20150212T003510_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150212T094607_20150212T095249_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150212T130805_20150212T130829_B001	Attitude correction missing	The attitude has not been corrected

Attitude correction missing

CS\_OFFL\_SIR\_FDM\_2\_\_20150212T163151\_20150212T163311\_B001

The attitude has not been corrected

-	rement Flags				
Each product is checked to detect ran	ge measurements flagged by the pro	cessing chain as missing or	containing errors.		
Number of products with errors:	2				
Product		Test Failed		Description	
CS_OFFL_SIR_FDM_220150212T	194924_20150212T194937_B001	OCOG Retracked	Range Flag	The master fail flag is set by the OCOC indicating the values stored in fields #1 ignored for these records.	
CS_OFFL_SIR_FDM_220150212T	234026_20150212T234619_B001	OCOG Retracked	Range Flag	The master fail flag is set by the OCOG indicating the values stored in fields #1 ignored for these records.	
6.7 L2 FDM SWH and Bac	kscatter Measurement F	lags			
Each product is checked to detect par	rameters related to SWH and sigma0	that are flagged by the proc	essing chain as missin	na or containing errors.	
Number of products with errors:	0				
	Ŭ				
6.8 L2 FDM Geophysical	Measurement Flags				
• •		he processing chain as miss	ing or containing error	S.	
Each product is checked to detect geo	ophysical measurements flagged by t	he processing chain as miss	ing or containing error	′S.	
Each product is checked to detect geo Number of products with errors:			ing or containing error		
Each product is checked to detect geo Number of products with errors:	ophysical measurements flagged by t	he processing chain as miss	ing or containing error	S. Description	
Each product is checked to detect geo Number of products with errors: Product	ophysical measurements flagged by t 2				
Each product is checked to detect geo Number of products with errors: Product CS_OFFL_SIR_FDM_220150212T	2 061649_20150212T062834_B001	Test Failed	Quality Flag	Description The Ocean Retracking Quality Flag is s	ed for one or more records. set indicating the CFI Ocean
Each product is checked to detect geo Number of products with errors: Product CS_OFFL_SIR_FDM_220150212T	2 061649_20150212T062834_B001	Test Failed Ocean Retracking	Quality Flag Quality Flag	Description The Ocean Retracking Quality Flag is s Retracker was not successfully execute The Ocean Retracking Quality Flag is s	ed for one or more records. set indicating the CFI Ocean
Each product is checked to detect geo Number of products with errors: Product CS_OFFL_SIR_FDM_220150212T CS_OFFL_SIR_FDM_220150212T.	2 061649_20150212T062834_B001 234026_20150212T234619_B001	Test Failed Ocean Retracking Ocean Retracking Ocean Retracking 7. QCC (	Quality Flag Quality Flag Check	Description The Ocean Retracking Quality Flag is s Retracker was not successfully execute The Ocean Retracking Quality Flag is s	ed for one or more records. set indicating the CFI Ocean ad for one or more records.
ach product is checked to detect ged Jumber of products with errors: Product CS_OFFL_SIR_FDM_220150212T CS_OFFL_SIR_FDM_220150212T The QCC is a CryoSat facility that performing the provided below.	2 061649_20150212T062834_B001 234026_20150212T234619_B001 forms a primary survey of data produ	Test Failed Ocean Retracking Ocean Retracking Ocean Retracking Cts immediately after product	Quality Flag Quality Flag Check tion by the PDS and L <sup>*</sup>	Description The Ocean Retracking Quality Flag is s Retracker was not successfully execute The Ocean Retracking Quality Flag is s Retracker was not successfully execute TA processing facilities. A list of the tests	ed for one or more records. et indicating the CFI Ocean ed for one or more records.
Each product is checked to detect ger Number of products with errors: Product CS_OFFL_SIR_FDM_220150212T CS_OFFL_SIR_FDM_220150212T FINE QCC is a CryoSat facility that per	2 061649_20150212T062834_B001 234026_20150212T234619_B001 forms a primary survey of data produ	Test Failed Ocean Retracking Ocean Retracking Ocean Retracking 7. QCC (	Quality Flag Quality Flag Check	Description The Ocean Retracking Quality Flag is s Retracker was not successfully execute The Ocean Retracking Quality Flag is s Retracker was not successfully execute	ed for one or more records. set indicating the CFI Ocean ad for one or more records.

# 7.1 QCC Errors

Number of QCC reports with errors:

## 7.2 Missing QCC Reports

Number of products with missing QCC reports:

0

All